

04-07-03

\$1743

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US Attorney Docket No. 50225-8032.US00



Applicant: Williams *et al.*  
Serial No.: 09/780,638  
Filing Date: February 10, 2001  
For: **MICROFLUIDIC DEVICE WITH SAMPLE INJECTOR  
AND METHOD**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

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1. Transmitted herewith are the following:
  - ☒ An Amendment under 37 C.F.R. §1.111
  - ☒ A Petition for three-month time extension
  - ☒ A Check in the amount of \$465 covering the Time Extension fee
2. Entity Status
  - ☒ Small Entity is proper for this case.
3. Conditional Petition for Extension of Time:  
An Extension of Time is requested to provide for timely filing if necessary for timely filing of this transmittal and enclosures.
4. Provisional Fee Authorization  
Please charge any underpayment, or credit any overpayment, in fees for timely filing of this transmittal and enclosures to Deposit Account No. 50-2207.

Respectfully submitted,

LeeAnn Gorthey  
Registration No. 37,337

Date: 4-02-2003

**Correspondence Address:**

Customer No. 22918

Phone: (650) 838-4403



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Williams *et al.*

SERIAL No.: 09/780,638

FILED: February 10, 2001

FOR: **MICROFLUIDIC DEVICE WITH SAMPLE  
INJECTOR AND METHOD**

EXAMINER: Brown, J.

ART UNIT: 1743

CONFIRMATION NO.: 9345

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4/15/03  
PB

Amendment

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office action mailed October 4, 2002 in the above-identified application, please amend the application as indicated below. Enclosed herewith are a Petition for a three-month extension of time and a check for the fee of \$465.

In the Claims:

Please replace claims 1, 3 and 13 with the rewritten claims below. Also enclosed, starting on a separate page following this response, is a marked copy of the presently amended claims showing all changes relative to the previous version.

1. A method of injecting a liquid sample into an electrolyte channel in a microfluidics device having a channel network that includes an electrolyte channel having upstream and downstream channel portions and first, second, and third side channels that intersect the electrolyte channel between the two channel portions at first, second, and third ports, respectively, where at least one of the ports is axially spaced along the electrolyte channel from the other two ports, said method comprising

(a) supplying a sample to the first side channel,

(b) applying across the first side channel and at least one of the other two side channels, a voltage potential effective to move sample in the first channel into a volume element of the

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